

**To:** Rickard, Joshua[Rickard.Joshua@epa.gov]  
**From:** Russ, Timothy  
**Sent:** Tue 11/8/2016 2:59:36 PM  
**Subject:** FW: Estimate of a DV for PM10 for the La Casa Monitoring Site?  
[annual 08 031 0026 2013.csv](#)  
[annual 08 031 0026 2014.csv](#)  
[annual 08 031 0026 2015.csv](#)

Hi Josh,

Sorry I was not that clear below on my request for help on the background DV for the La Casa monitor. Below is an example from the Commerce City PM<sub>10</sub> monitor, to be used in PM hot-spot modeling, and I would be looking for similar data from the La Casa FRM monitor:

EPA's November, 2015 PM Hot-spot modeling guidance ("Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM<sub>2.5</sub> and PM<sub>10</sub> Nonattainment and Maintenance Areas") notes the following in section 9.3.4 *24-hour PM<sub>10</sub> NAAQS*:

Calculating Design Values and Determining Conformity

The 24-hour PM<sub>10</sub> design value is calculated at each receptor by directly adding the sixth-highest modeled 24-hour concentrations (if using five years of meteorological data) to the appropriate monitor value for the 24-hour background concentration from three years of monitoring data, based on Exhibit 9-6.<sup>153</sup> Exhibit 9-6: Monitor Value Used for Design Value Calculation

Number of Background Concentration Values from the Monitor	Monitor Value Used for Design Value Calculation
< 347	Highest Monitor Value
348 -695	Second Highest Value
696 -1042	Third Highest Value
1043 -1096	Fourth Highest Value

PM<sub>10</sub> data from the Commerce City monitoring site is provided in the table below:

## EPA/OTAQ Table of Data

Year	N	Highest value	2 <sup>nd</sup> highest	3 <sup>rd</sup> highest	4 <sup>th</sup> highest
2013	357	144	97	93	89
2012	308	113	86	76	75
2011	351	82	65	64	61

“N” = the number of days of valid data recovery.

# Ex. 5 - Deliberative Process

Thanks!

Tim

**From:** Russ, Timothy

**Sent:** Monday, November 07, 2016 11:47 AM

**To:** Rickard, Joshua <Rickard.Joshua@epa.gov>

**Subject:** Estimate of a DV for PM10 for the La Casa Monitoring Site?

Hi Josh,

Thanks for being willing to review the attached air quality monitoring information. Based on what's contained in the the three Excel spreadsheets, can you calcalate an *approximate* DV for the La Casa site for PM10 for 2013-2015?

Much appreciate the help!

Tim

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**From:** Berry, Laura  
**Sent:** Friday, November 04, 2016 1:54 PM  
**To:** Russ, Timothy <[Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)>; Patulski, Meg <[patulski.meg@epa.gov](mailto:patulski.meg@epa.gov)>; Dubey, Susmita <[dubey.susmita@epa.gov](mailto:dubey.susmita@epa.gov)>  
**Cc:** Dresser, Chris <[Dresser.Chris@epa.gov](mailto:Dresser.Chris@epa.gov)>; Anderson, Carol <[Anderson.Carol@epa.gov](mailto:Anderson.Carol@epa.gov)>; Jackson, Scott <[Jackson.Scott@epa.gov](mailto:Jackson.Scott@epa.gov)>; Denawa, Mai <[Denawa.Mai@epa.gov](mailto:Denawa.Mai@epa.gov)>; Odendahl, Steve <[Odendahl.Steve@epa.gov](mailto:Odendahl.Steve@epa.gov)>  
**Subject:** RE: Followup Questions from last week's IAC meeting - FHWA's Responses

Hi Tim,

I pulled down data for La Casa from EPA's air data webpage, attached – note, the only change I made to these spreadsheets was to sort the sheet based on column K “pollutant standard.” If you want the original downloads, go to:

<https://www.epa.gov/outdoor-air-quality-data/interactive-map-air-quality-monitors> and then launch the map app, zoom in on Denver, and click on the La Casa monitor.

*Laura Berry*

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**From:** Russ, Timothy

**Sent:** Friday, November 04, 2016 1:35 PM

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**Cc:** Dresser, Chris <[Dresser.Chris@epa.gov](mailto:Dresser.Chris@epa.gov)>; Anderson, Carol <[Anderson.Carol@epa.gov](mailto:Anderson.Carol@epa.gov)>; Jackson, Scott <[Jackson.Scott@epa.gov](mailto:Jackson.Scott@epa.gov)>; Denawa, Mai <[Denawa.Mai@epa.gov](mailto:Denawa.Mai@epa.gov)>; Odendahl, Steve <[Odendahl.Steve@epa.gov](mailto:Odendahl.Steve@epa.gov)>

**Subject:** FW: Followup Questions from last week's IAC meeting - FHWA's Responses

Hi Everyone,

## Ex. 5 - Deliberative Process

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**La Casa (CASA)**

Region: Denver

Monitoring Station

4545 Navajo Street

SAROAD:

AQS ID: 080310026

Latitude: 39.779460

Longitude: -105.005124

Reporting capabilities (hourly)

SLAMS: CO, PM10, PM2.5

NAMS: O3, SO2

SPM: NO, RD, RS, TEMP, WD, WS

Please let me know if you any questions and thanks for your continuing assistance on this project.

Tim

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